

扬声器单元规格表(Specifications)

客户名称 Customer		版本 Edition	原版内容 Original edition	新版更改内容 Revised content	更改日期 Readjusting Date	更改人 Revised by
产品型号 Product Model	B4N-4	B	Qms		2013.5.6	
日期 Date	2013-5-6					

基本数据 Typical characteristic

口径 Dimensions	101 Mm 4 inch	有效振膜直径 Effective Piston Diameter	83 Mm Inch
额定功率 ⁽²⁾ Power Handling	25 W	最大功率 Max Power	50 W
灵敏度 ⁽³⁾ Sensitivity	86 dB (2.83V/1M)	纯音检听 ⁽⁴⁾ Operation	Sine wave 10V 20~ 1.0 k Hz
不均匀度 Asymmetrical degree	100Hz - 3.5K Hz \pm 3 dB	有效频率范围 Frequency Range	F0 ~ 4 k Hz (-6 dB)
额定阻抗 Rated Impedance	4 Ω	最小阻抗 Minimum Impedance	300Hz @ 3.8 Ω
谐波失真 Distortion	\leq %	漏磁场 ⁽⁵⁾ Leak magnetic	\leq GS
气隙厚度 Magnetic Gap Depth	4 Mm Inch	损坏前最大位移 (P-P) Xmax before damaged	-----Mm ----- inch
极性 Electrical polarity	1、 加一直流电压, 振膜向前运动 A positive DC voltage applied on the red terminal produces forward cone motion. 2、 以极性测试仪测试 using polarity testing instrument		
音圈内径 Voice coil inner diameter	25.4 Mm Inch	音圈线材 Voice coil material	PESVE
音圈卷宽 Voice Coil Winding Depth	10 Mm Inch	磁铁 Magnet	----- Kg (lb)

Thiele - Small 参数 parameter⁽⁶⁾ (参考值/reference) ☐老化(RUN) ☐未老化(NO RUN)


谐振频率 Fs Resonant Frequency	58 Hz \pm 15 %	直流电阻(Re) DC Resistance	3.4 $\Omega \pm$ 5 %
机械 Q 值 Qms Mechanical Q Factor	3.42	电 Q 值 (Qes) Electrical Q Factor	0.49
总 Q 值 Qts Total Q Factor	0.44	效率(η) Half-space efficiency	0.16 %
BL 值 BL value	4.3 TM	振动质量(Mms) Effective Moving Mass	7.44 g
有效振动面积(Sd) Effective piston area	0.011m ²	等效容积(Vas) Equivalent Cas air load	4.2 Liter
最大线性位移(Xmax) Max linear excursion	3 mm	机械顺性(Cms) Mechanical suspension compliance	1 m/N
音圈电感 Voice Coil Inductance	----- mH at1000Hz	线性位移体积(Vd) linear excursion volume	cm ³

安装尺寸及重量 mounting information & weight

外径 Overall Diameter	116.5 Mm Inch	安装直径 Bolt Circle Diameter	108 Mm 8.07Inch
净重 Net Weight	kg (1.13 lb)	总重 Shipping Weight	-----kg (----- lb)

NOTE:

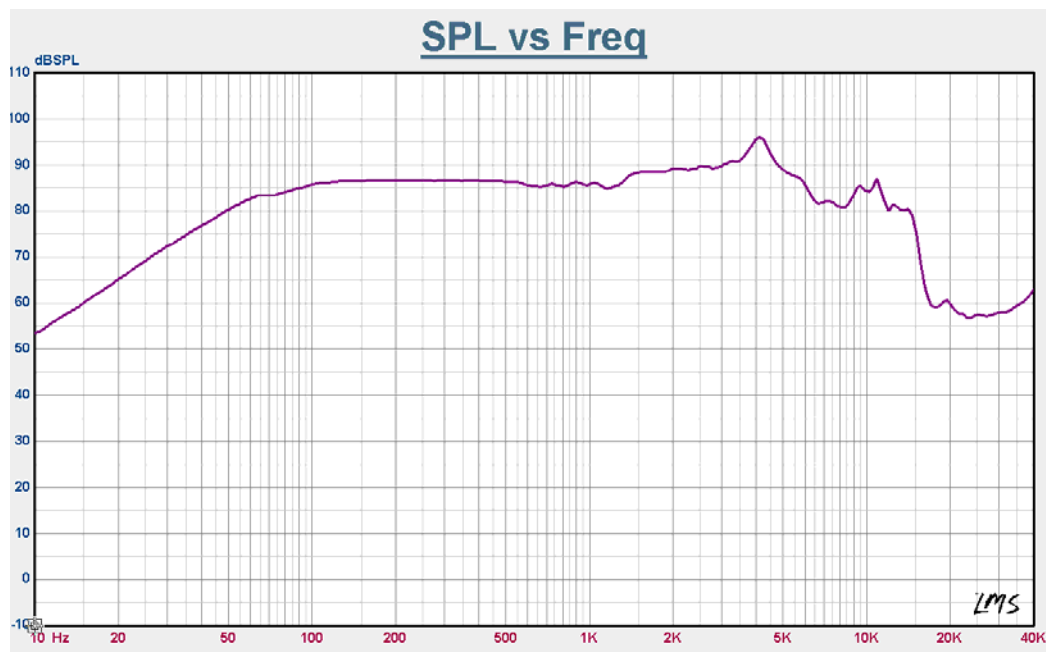
- The testing environment must request to accord with IEC Standard.
- TEC Standard (F0 -- 3K _HZ). The power handling of testing amplifier must be 2.5 times (or above) the whole speaker request.
- These 4 1/3oct of _____、_____、_____、_____average value.
- Using the sine voltage (1/2 power handling under rated impedance) to make the sound test in effective frequency range.
- The testing distance of the positive and negative axis is 80 mm, 45 degree and other direction is 60 mm.
- For testing the T/S parameters of drivers must be after running 1 hour by program power under its power handling and then resuming 1 hour.

制 表 Tabled By		审 核 Checked By		批 准 Approved By	
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表格编号 Form No.: 0443-B

MODEL: B4N-4

SPL



Impedance B4N-4

